

HYDROCOTE EXTRA

Transparent water-repellent impregnating paint for absorbent materials

- Description:** Waterproofing and water-repellent protective paint, colourless with high penetration. Reacts with the silicates constituting the mineral support and with the humidity present in the alkaline layer, forming a hydrophobic protection.
- Advantages:**
- Water-repellent: It creates a barrier that blocks infiltrations and humidity stains, without resorting to radical renovations and thus maintaining the natural breathability and colour of the surface unaltered.
 - High penetration.
 - Colourless and transparent, it does not create surface gloss.
 - It does not form surface films: it allows the natural transpiration of surfaces.
 - Prevents the transport of hygroscopic salts.
 - Excellent resistance to UV rays and acid solutions.
 - Protects against bacteria and algae.
 - Protects against freeze-thaw phenomena.
- Applications:**
- It is used for the protective treatment of all building absorbent minerals such as exposed concrete, plasters, cement mortars, sandstone and limestone masonry, brick masonry, and exterior finishes with mineral paints and as a primer for exterior paints, Impre Beton type anti-carbonation.
 - It is ideal for the protection of concrete in road construction, in bridges, viaducts, guardrails, and structures which are subject to the disintegrating cycles of freezing and thawing and to the aggressive action of salts.
- Surface preparation:**
- Before applying, make sure that the surfaces are free of dirt, dry and perfectly degreased and in any case wait until the surface is visually dry; the moist substrate favours the reaction of the silane and therefore there is no need for a long wait before impregnation.
- Application:**
- The product is ready to use. Apply by brush, spray or by immersion.
 - Application is to be considered complete when the surface is saturated and completely absorbed by the product.
 - Drying time varies with the temperature and the porosity of the surface; generally it is 1 hour. The treated surface is waterproof after 24 hours but the product is completely dry only after a week.
 - The tools can be cleaned with the common synthetic or nitro thinners.
- Consumption:**
- Consumption varies according to the surface to be treated:
 - mineral plaster 0.5-0.8 L/m².
 - masonry 0.4-1.0 L/m².
 - natural stone 0.1-1.5 L/m².
 - porous concrete 0.5-1.5 L/m².
- Warnings:**
- Flammable product. Do not use in non-ventilated premises.
 - The product is not suitable for treating plaster and marble surfaces.
 - Do not use to waterproof surfaces or containers intended to contain edible liquids, drinking water or which are in contact with solvents or mineral oils.
 - Do not expose to temperatures over 30 °C, direct sunlight, heat sources, open flames or other sources of ignition.
 - Comply with the information on the safety data sheet.
 - Consult the information at the bottom of this document.

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Packaging: 1, 5, and 10 L metal pails; 200 L metal drums.

Technical data:

MAIN CHARACTERISTICS		
Appearance		Liquid
Colour		Colourless
Shelf life in closed original packaging		24 months
Closed-cup flash point	ASTM D3828-87	> +23 °C
Density (at 20 °C)	EN ISO 2811-1	(0.76 - 0.81) kg/L
Viscosity (Flow time at 20 °C, DIN/4 mm cup)	EN ISO 2431	8-12 seconds
Drying time		30 - 60 minutes*

* Measurements have been recorded at a temperature of 23 °C and with 50% moisture. Declared data may vary depending on the thickness of the applied product and on the specific conditions of the construction site: temperature, humidity, ventilation, and absorbency of surfaces.

PERFORMANCE PROPERTIES - EN 1504-2 SURFACE PROTECTION SYSTEMS FOR CONCRETE (H HYDROPHOBIC IMPREGNATION – PRINCIPLES: PI-MC-IR)		
Depth of penetration	EN 1504-2 (Schedule 3 no. 19)	Penetration: < 10 mm
		Class I
Water absorption and resistance to alkali	EN 13580	Absorption ratio compared to the untreated test cube: <7.5%
		Result: compliant
Drying rate for hydrophobic impregnation	EN 13579	Drying rate coefficient: >30%
		Class I



The advice and technical information provided represent HA ITALIA S.p.A.'s best knowledge of product properties and use. Considering the different situations of use of the products and factors beyond our control (media, working conditions, failure to comply with instructions), we cannot be held responsible for the results obtained. Before using the product, anyone who intends to make use of it is required to determine whether it is suitable for the intended use and assumes full liability for whatever may arise from its use.

HA Italia disclaims any and all liability arising from failure to observe the warnings mentioned in this data sheet and failure to comply with the requirements set out in the safety data sheet.

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HA ITALIA S.p.A.
DIVISIONE PRODOTTI SPECIALI
 Viale della Scienza 78 -80 - 36100 Vicenza - Italy
 Stabilimento Via Vicenza 72 - 36015 Schio (VI)
 P.I. e C.F. IT00169590247 - Ph +39 0445 678000
 info@ha-italia.com - www.ha-italia.com [in](#) ha italia s.p.a - [f](#) ha italia s.p.a

